

PATENT  
Attorney Docket No. 298689

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant:** Zhifang LI et al.

**Application No.:** 10/808,060

**Filed:** March 24, 2004

**For:** INVERTED-F ANTENNA  
CONFIGURATION FOR AN  
IMPLANTABLE MEDICAL DEVICE

**Examiner:** Not yet known

**Art Unit:** Not yet known

**Confirmation No.:** Not yet known

Commissioner for Patents  
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INFORMATION DISCLOSURE STATEMENT  
Under 37 C.F.R. 1.97(b)(3) and 1.98

Sir:

The Information Disclosure Statement submitted herewith is being filed before the mailing date of a first Office action on the merits.

The Examiner is requested to consider the references noted on the enclosed Form PTO/SB/08a during examination of the above-identified patent application. These references are submitted for the Examiner's consideration and are submitted pursuant to the duty of disclosure under 37 C.F.R. § 1.56. In submitting these references, no representation is made or implied that the references are or are not material to the examination of the application. The Examiner is encouraged to make his or her own determination of materiality. In accordance with 37 C.F.R. § 1.98(a)(2)(i), copies of the U.S. references are not provided herewith. Copies of the articles listed on Form PTO/SB/08a are enclosed herewith.

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Pursuant to 37 C.F.R. § 1.97(b)(3), no fees are due with respect to this filing.

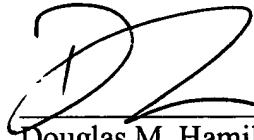
However, should any fees be deemed necessary, such fees may be charged to Deposit

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If the Examiner has any questions concerning the relevance of any reference cited in this disclosure, please contact the undersigned attorney.

Dated: 5/7/2004

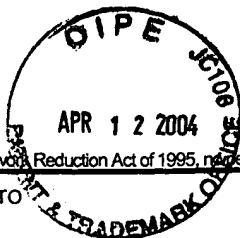
Respectfully submitted,

A handwritten signature in black ink, appearing to be 'DMH', written over a horizontal line.

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PTO/SB/08a (05-03)

Approved for use through 04/30/2003. OMB 0651-0031

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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## **Complete if Known**

Application Number	10/808,060
Filing Date	March 24, 2004
First Named Inventor	Zhifang LI et al.
Art Unit	
Examiner Name	Not yet known
Attorney Docket Number	298689

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US 2002/0029321 A1	10-11-2001	Beetz et al.	
		US 2002/0013613 A1	01-31-2002	Haller et al.	
		US 2002/0019606 A1	02-14-2002	Lebel et al.	
		US 2002/0019586 A1	02-14-2002	Teller et al.	
		US 2002/0026223 A1	02-28-2002	Riff et al.	
		US 2002/0058906 A1	05-16-2002	Lebel et al.	
		US 2002/0065540 A1	05-30-2002	Lebel et al.	
		US 2002/0065539 A1	05-30-2002	Von Arx et al.	
		US 2002/0065509 A1	05-30-2002	Lebel et al.	
		US 2002/0065454 A1	05-30-2002	Lebel et al.	
		US 2002/0072783 A1	06-13-2002	Goedeke et al.	
		US 2002/0077673 A1	06-20-2002	Penner et al.	
		US 2002/0077672 A1	06-20-2002	Govari et al.	
		US 2002/0077671 A1	06-20-2002	Govari et al.	
		US 2002/0077553 A1	06-20-2002	Govari et al.	
		US 2002/0082665 A1	06-27-2002	Haller et al.	
		US 2002/0087203 A1	07-04-2002	Schmitt et al.	
		US 2002/0091416 A1	07-11-2002	Wassmund et al.	
		US 2002/0099424 A1	07-25-2002	Ferek-Petric	
		US 2002/0099412 A1	07-25-2002	Fischell et al.	
		US 2002/0103514 A1	08-01-2002	Abrahamson	
		US 2002/0111539 A1	08-15-2002	Cosentino et al.	
		US 2002/0116032 A1	08-22-2002	Ferek-Petric	
		US 2002/0123776 A1	09-05-2002	Von Arx et al.	
		US 2002/0123673 A1	09/05/2002	Webb et al.	
		US 2002/0123672 A1	09-05-2002	Christophersom et al.	
		US 2002/0126036 A1	09-12-2002	Flaherty et al.	
		US 2002/0143372A1	10-03-2002	Snell et al.	
		US 2002/0147388 A1	10-10-2002	Mass et al.	
		US 6,466,810 B1	10-15-2002	Ward et al.	
		US 2002/0151770 A1	10-17-2002	Noll, III et al.	
		US 2002/0156504 A1	10-24-2002	Chen et al.	
		US 2002/0173830 A1	11-21-2002	Starkweather et al.	
		US 2002/0188773 A1	12-12-2002	Augustijn et al.	
		US 2002/0188215 A1	12-12-2002	Ferek-Petric	
		US 2002/0190905 A1	12-19-2002	Flint et al.	
		US 2002/0193846 A1	12-19-2002	Pool et al.	
		US 2002/0193839 A1	12-19-2002	Cho et al.	
		US 2002/0198462 A1	12-26-2002	Begemann	
		US 2003/0009204 A1	01-09-2003	Amundson et al.	
		US 2003/0006898 A1	01-09-2003	Herzberg	
		US 2003/0022637 A1	01-30-2003	Hirota	
		US 2003/0023175 A1	01-30-2003	Arzbaeher et al.	
		US 2003/0028226 A1	02-06-2003	Thompson et al.	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/808,060
Filing Date	March 24, 2004
First Named Inventor	Zhifang LI et al.
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	US 2003/0025645 A1	02-06-2003	Amundson et al.
	US 2003/0041866 A1	03-06-2003	Linberg et al.
	US 2003/0114897 A1	06-19-2003	Von Arx et al.
	US 2003/0114896 A1	06-19-2003	Boute et al.
	US 2003/0122718 A1	07-03-2003	Fang et al.
	US 2003/0139778 A1	07-24-2003	Fischell et al.
	US 2003/0144718 A1	07-31-2003	Zeijlemaker
	US 6,602,201 B1	08-05-2003	Hepp et al.
	US 2003/0149423 A1	08-07-2003	Fischell et al.
	US 6,609,023 B1	08-19-2003	Fischell et al.
	US 6,614,406 B2	09-02-2003	Amundson et al.
	US 6,622,043 B1	09-16-2003	Kraus et al.
	US 6,622,045 B2	09-16-2003	Snell et al.
	US 2003/0177031 A1	09-18-2003	Malek
	US 2003/0176933 A1	09-18-2003	Lebel et al.
	US 2003/0195396 A1	10-16-2003	Scarantino et al.
	US 6,636,769 B2	10-21-2003	Govari et al.
	US 6,635,014 B2	10-21-2003	Starkweather et al.
	US 2003/0199939 A1	10-23-2003	Schmitt et al.
	US 6,638,231 B2	10-28-2003	Govari et al.
	US 2003/0204216 A1	10-30-2003	Ries et al.
	US 6,647,299 B2	11-11-2003	Bourget
	US 6,644,322 B2	11-11-2003	Webb
	US 6,644,321 B1	11-11-2003	Behm
	US 2003/0212441 A1	11-13-2003	Starkweather et al.
	US 6,650,944 B2	11-18-2003	Goedeke
	US 6,650,941 B2	11-18-2003	Ferek-Petric
	US 6,648,823 B2	11-18-2003	Thompson
	US 6,648,821 B2	11-18-2003	Lebel et al.
	US 2003/0216793 A1	11-20-2003	Karlsson et al.
	US 6,658,300 B2	12-02-2003	Govari et al.
	US 6,658,283 B1	12-02-2003	Bornzin et al.
	US 2003/0222823 A1	12-04-2003	Flint et al.

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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		MASSEY, P. J.; "Fabric Antennas for Mobile Telephony Integrated within Clothing," Phillips Research Laboratories, Redhill, UK; 4 pages.	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/808,060
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		First Named Inventor	Zhifang LI et al.
		Art Unit	
		Examiner Name	Not yet known
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	CHEN, Zhi Ning et al.; "A New Inverted F Antenna with a Ring Dielectric Resonator," IEEE Transactions on Vehicular Technology, Vol. 48, No. 4, (July 1999); pages 1029-1032.	
	HONG, Wonbin; "Design of Small Inverted F Antenna for Low Frequencies," Department of Electrical and Computer Engineering, Purdue University, 5 pages.	
	"Inverted F Antenna," <a href="http://www.qsl.net/kb7qhc/antenna/Inverted%20F;">http://www.qsl.net/kb7qhc/antenna/Inverted%20F;</a> (12/4/2003); 2 pages.	
	"Film Type Inverted F Antenna," Honda Tsushin Kogyo Co., Ltd., Honda connectors; (June 17, 2003); pages 1-11.	

Examiner Signature		Date Considered	
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